

CALIFORNIA STATE SCIENCE FAIR 2008 PROJECT SUMMARY

Name(s)	Project Number
Katherine J. Keller	J0510
Project Title	
Going Green	
Abstract	
Objectives/Goals Abstract	
I took three fuels and determined which one produced the most considered an alternative fuel to gasoline. Methods/Materials The fuels were diesel fuel, vegetable oil and biodiesel fuel. I ass record the amount of heat energy transferred to water by each fu	ssembled a device which allowed me to uel. I used the heat equation for
 calorimetry to figure out how much heat energy was released .T Results I found that there was a significant difference in the amount of j the most heat energy was produced was in vegetable oil. Biodie diesel fuel. Conclusions/Discussion Since I found that there is more heat energy produced by vegeta 	joules produced by the three fuels. In fact, esel fuel came in second, followed by able oil and biodiesel than diesel fuel, it
supports the fact that there are viable forms of energy we can co vehicles. There are ways to reduce our gasoline usage and Gree	ontinue to research to use in our motor ener cars should be a goal of the future!
Summary Statement	
I took three fuels and determined which one produced the most	amount of heat energy .
Help Received	

I would like to thank both of my parents for helping me purchase the materials I needed. I would like to thank KFC for supplying me with free vegetable oil from their French fries for my testing. I also appreciate the information given to me by the people at Pacific Biofuel, Inc, regarding the consistency of